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{
  "Question Paper Insights": {
    "questions": [
      {
        "question": "Short answer questions",
        "subparts": [
          {
            "subpart": "a. RTL is used to describe _____",
            "marks": 1.5
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          {
            "subpart": "b. Sign of the number is preserved in _____ shift micro-operation.",
            "marks": 1.5
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            "subpart": "c. PC contains the address of _____",
            "marks": 1.5
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          {
            "subpart": "d. What decisions are made in computer organization?",
            "marks": 1.5
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          {
            "subpart": "e. Convert (568)10 -> ( )8 -> ( )16",
            "marks": 1.5
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            "subpart": "f. Define micro-operation and cite an example of micro-operation.",
            "marks": 1.5
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            "subpart": "g. Differentiate fixed point and floating point representation.",
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            "subpart": "h. Why extra memory reference is needed in indirect memory address instruction?",
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            "subpart": "i. Write the instruction to load and store accumulator register?",
            "marks": 1.5
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            "subpart": "j. How I bit classify the type of instruction?",
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    "total_marks": 15
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{
    "question": "With the help of flow diagram discuss instruction execution
cycle.",
    "marks": 5
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{
    "question": "Present a report on the use of common bus system for data transfer?
Illustrate data transfer using common bus system through example.",
    "marks": 6
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{
    "question": "Explain memory reference and register reference instructions with
available examples.",
    "marks": 4
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